

CLAIMS

We Claim:

1. A boatlift buoyancy system, comprising:
 - a first tube and a second tube removably attachable to a boatlift, wherein said are capable of receiving of volume of air and/or water; and
 - a first hose and a second hose fluidly connected to said first tube and said tube respectively for providing pressurized air for creating buoyancy.

- 12 2. The boatlift buoyancy system of Claim 1, wherein said first tube and said
13 second tube are removably attachable to a boat lift by a plurality of attachment
14 brackets.

- 17 3. The boatlift buoyancy system of Claim 2, wherein said attachment brackets
18 are comprised of a U-member with threaded distal ends, a plate with a plurality of
19 apertures for receiving said U-member, and a plurality of fastener nuts threadably
20 attachable to said threaded distal ends.

- 23 4. The boatlift buoyancy system of Claim 2, wherein said tubes are attached to
24 horizontal support beams of a boatlift.

- 27 5. The boatlift buoyancy system of Claim 1, wherein said tubes are orientated
28 substantially horizontal when attached to a boatlift.

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2 6. The boatlift buoyancy system of Claim 1, wherein said first hose and said
3 second hose have a first nozzle and a second nozzle for allowing input of pressurized
4 air, wherein said first nozzle and said second nozzle have a valve structure.

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7 7. The boatlift buoyancy system of Claim 1, including a valve unit fluidly
8 connected to said first hose and said second hose, wherein said valve unit includes a
9 fill nozzle and a release nozzle.

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12 8. The boatlift buoyancy system of Claim 1, including a connecting hose
13 having a connecting nozzle, wherein said connecting hose is fluidly connected to said
14 first hose and said second hose and wherein said connecting nozzle has a valve
15 structure.

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18 9. The boatlift buoyancy system of Claim 1, wherein said first tube and said
19 second tube have a first aperture and a second aperture respectively within lower
20 portions thereof for allowing draining of water when pressurized air is input into said
21 tubes and for allowing water to enter said tubes when pressurized air is allowed to
22 escape from said tubes.

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25 10. The boatlift buoyancy system of Claim 9, including a first screen and a
26 second screen positioned about said first aperture and said second aperture for keeping
27 debris from entering within said tubes.

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1 11. A boatlift buoyancy system, comprising:
2 a boatlift having a first tube and a second tube attached between vertical post
3 members in a horizontal manner, wherein said tubes are capable of receiving of
4 volume of air and/or water;
5 wherein said first tube and said second tube have a first aperture and a second
6 aperture respectively within lower portions thereof for allowing draining of water
7 when pressurized air is input into said tubes and for allowing water to enter said tubes
8 when pressurized air is allowed to escape from said tubes; and
9 a first hose and a second hose fluidly connected to said first tube and said
10 second tube respectively for providing pressurized air for creating buoyancy.

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13 12. The boatlift buoyancy system of Claim 11, wherein said first hose and said
14 second hose have a first nozzle and a second nozzle for allowing input of pressurized
15 air, wherein said first nozzle and said second nozzle have a valve structure.

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18 13. The boatlift buoyancy system of Claim 11, including a valve unit fluidly
19 connected to said first hose and said second hose, wherein said valve unit includes a
20 fill nozzle and a release nozzle.

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23 14. The boatlift buoyancy system of Claim 11, including a connecting hose
24 having a connecting nozzle, wherein said connecting hose is fluidly connected to said
25 first hose and said second hose and wherein said connecting nozzle has a valve
26 structure.

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1 15. The boatlift buoyancy system of Claim 11, including a first screen and a
2 second screen positioned about said first aperture and said second aperture for keeping
3 debris from entering within said tubes.

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6 16. A method of operating a boatlift buoyancy system having a first tube and a
7 second tube attached to a boatlift, including a first aperture and a second aperture
8 within a lower portion of said first tube and said tube respectively, said method
9 comprising the steps of:

10 (a) inputting pressurized air into said first tube and said second tube thereby
11 expelling any water within said tubes through said apertures and increasing the
12 buoyancy of said tubes;

13 (b) maneuvering said boatlift to a desired position; and

14 (c) releasing said pressurized air from said first tube and said second tube
15 thereby allowing water to enter said tubes through said apertures and reducing the
16 buoyancy of said tubes.

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18 17. The method of operating a boatlift buoyancy system of Claim 16, including
19 a first screen and a second screen positioned about said first aperture and said second
20 aperture for keeping debris from entering said tubes.

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23 18. The method of operating a boatlift buoyancy system of Claim 16, wherein
24 said tubes are non-removably attached to said boatlift and are integral with a frame of
25 said boatlift.

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28 19. The method of operating a boatlift buoyancy system of Claim 16, wherein
29 said tubes are removably attached to said boatlift.

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3 20. The method of operating a boatlift buoyancy system of Claim 16, including
4 at least one hose fluidly connected to said tubes and fluidly connectable to a
5 pressurized air source.